

$XYZ_W = 108.04, 100.0, 39.55$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$

$B_2 = 2.5 B_c (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} [z / y]$

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 2.500$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o)

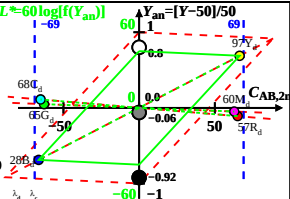
von maximalem (m) C_{AB}

linearen Farbenraum (C_{AB2}, Y)

Lichtart P30, $Y_W = 100, Y_N = 25$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	578_775	85.68	57.05	9.95	0.5611	0.3736	604	498
Y_d	503_775	103.54	96.95	11.84	0.4875	0.4566	580	473
G_d	503_578	44.97	65.0	11.81	0.3692	0.5337	546	546c
C_d	380_578	49.5	68.07	39.52	0.3151	0.4332	498	604
B_d	380_503	31.64	28.16	37.63	0.3247	0.289	473	580
M_d	578_503	90.21	60.11	37.66	0.4798	0.3197	546c	546
W_d	380_775	108.04	100.0	39.55	0.4363	0.4038		100%
N_d	380_775	27.01	25.0	9.88	0.4363	0.4038		25%
Z_d	380_775	19.44	18.0	7.11	0.4363	0.4038		18%

$L^* = 60 \log[f(Y_{an})]$



$f(Y_{an}) = \pm [1 + 10 |Y_{an}|^n]$

n nähert sich 1 für:

1. abnehmendem Kontrast C
2. aneinandergrenzende / separate Farben.

Parameter:

Y & Name

Lichtart P30

$Y_W = 100, Y_N = 25$